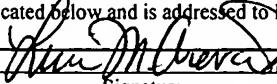


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February 20, 2004	Luci M. Arevalo		February 20, 2004
Date Mailed	Name	Signature	Date

Attorney's Docket No: 42P18527

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Michael S. Salib) Examiner: Not Yet Assigned
Serial No: Not Yet Assigned) Art Unit: Not Yet Assigned
Filing Date: Concurrently herewith)
For: METHOD AND APPARATUS FOR)
MODULATING AN OPTICAL BEAM IN)
AN OPTICAL DEVICE WITH A PHOTONIC)
CRYSTAL LATTICE)

Mail Stop Patent Application
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INFORMATION DISCLOSURE STATEMENT

Sir/Madam:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

XX 37 C.F.R. §1.97(b).

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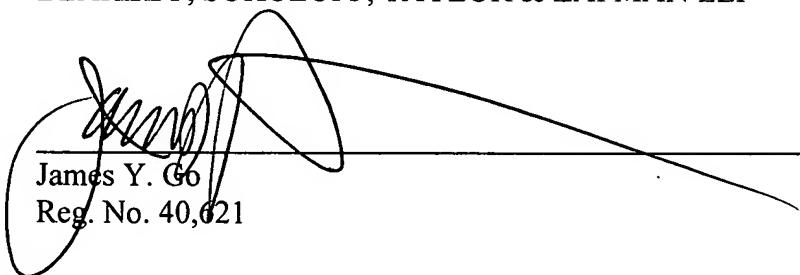
(2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 2-20-04


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Substitute for Form 1449/PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	New Application
Filing Date	Concurrently herewith
First Named Inventor:	Michael S. Salib
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned

Sheet 1 of 1

Attorney Docket Number

42P18527

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	1.	LEONARD, S.W., et al., "Tunable Two-Dimensional Photonic Crystals Using Liquid-Crystal Infiltration," The American Physical Society, Third Series, Vol. 61, No. 4, (January 15, 2000), pp. 2389-2392	
	2.	SCHULLER, CH., et al., "Tunable Photonic Crystals Fabricated in III-V Semiconductor Slab Waveguides Using Infiltrated Liquid Crystals," Applied Physics Letters, Vol. 82, No. 17, (April 28, 2003), pp. 2767-2769	
	3.	MERTENS, G., et al., "Two- and Three-Dimensional Photonic Crystals Made of Macroporous Silicon and Liquid Crystals," Applied Physics Letters, Vol. 83, No. 15, (October 13, 2003), pp. 3036-3038	
	4.	LEONARD, S.W., et al., "Attenuation of Optical Transmission Within the Band Gap of Thin Two-Dimensional Macroporous Silicon Photonic Crystals," Applied Physics Letters, Vol. 75, No. 20, (November 15, 1999), pp. 3063-3065	
	5.	SHIMODA, Y., et al., "Electric Field Tuning of a Stop Band in a Reflection Spectrum of Synthetic Opal Infiltrated with Nematic Liquid Crystal," Applied Physics Letters, Vol. 79, No. 22, (November 26, 2001), pp. 3627-3629	
	6.	KEE, C.S., et al., "Tunable Complete Photonic Bands Gaps of Two-Dimensional Photonic Crystals with Intrinsic Semiconductor Rods," The American Physical Society, Physical Review B, Vol. 64, (September 10, 2001), pp. 121103-1 – 121103-4	
	7.	HU, X., et al., "Ultrafast Three-Dimensional Tunable Photonic Crystal," Applied Physics Letters, Vol. 83, No. 13, (September 29, 2003), pp. 2518-2520	
	8.	LEONARD, S.W., et al., "Ultrafast Band-Edge Tuning of a Two-Dimensional Silicon Photonic Crystal Via Free-Carrier Injection," The American Physical Society, Physical Review B 66, (October 9, 2002), pp. 161102-1-161102-4	
	9.	HA, Y.K., et al., "Tunable Three-Dimensional Photonic Crystals Using Semiconductors With Varying Free-Carrier Densities," The American Physical Society, Physical Review B 66, (August 9, 2002) pp. 075109-1-075109-5	
	10.	HALEVI, P., et al., "Tunable Photonic Crystals with Semiconducting Constituents," The American Physical Society, Physical Review Letters, Vol. 85, No. 9, (August 28, 2000), pp. 1875-1878	
	11.	JOHNSON, S.G., "Introduction to Photonic Crystals: Bloch's Theorem, Band Diagrams, and Gaps (But No Defects)," (February 3, 2003), pp. 1-16	
	12.	"Photonic Crystals," http://physicsweb.org/article/world/13/8/9 , (January 9, 2004), pp. 1-9	

Examiner Signature	Date Considered
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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